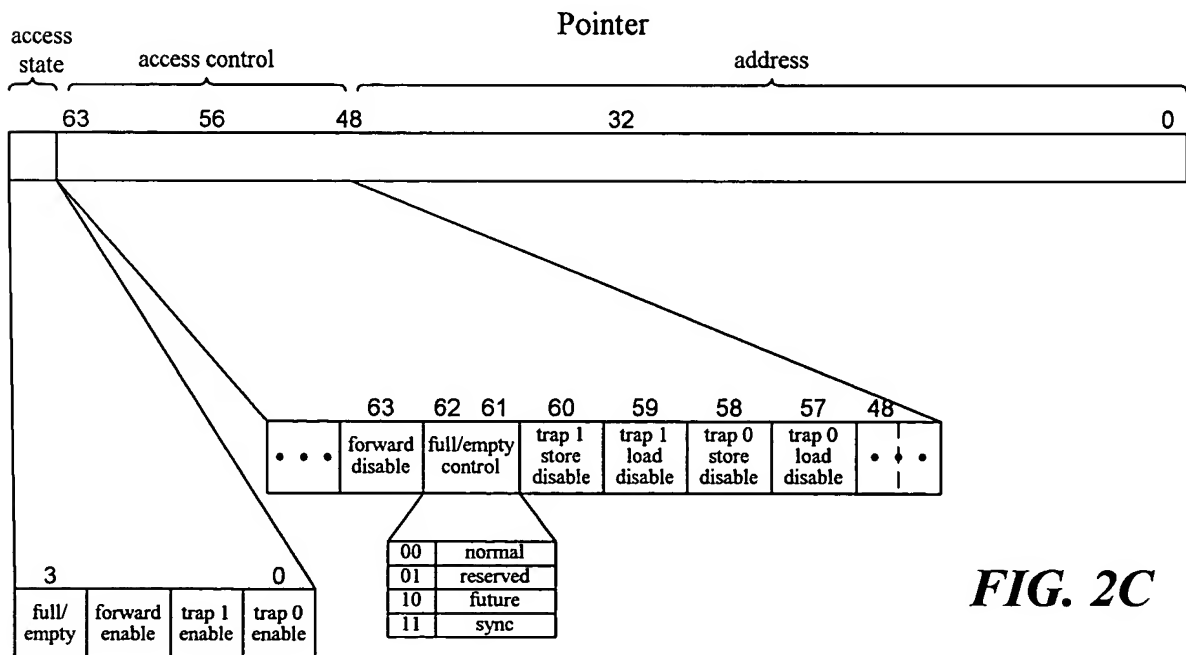
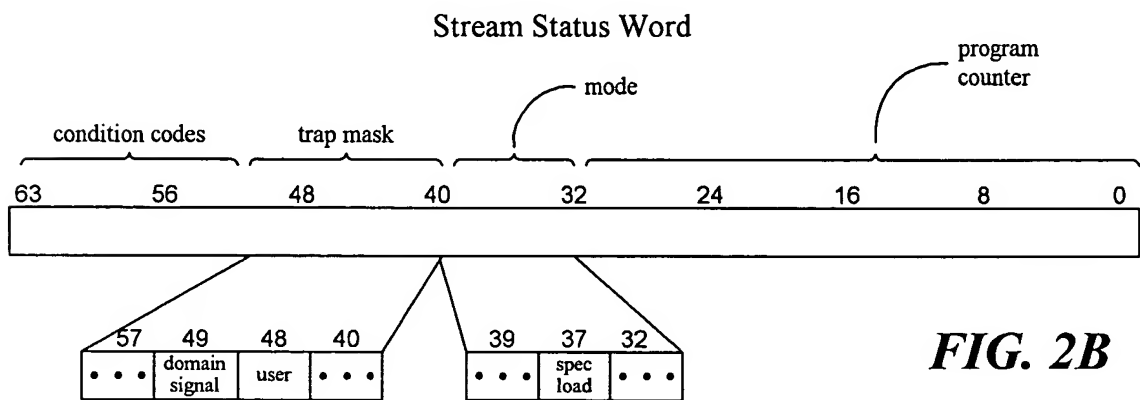
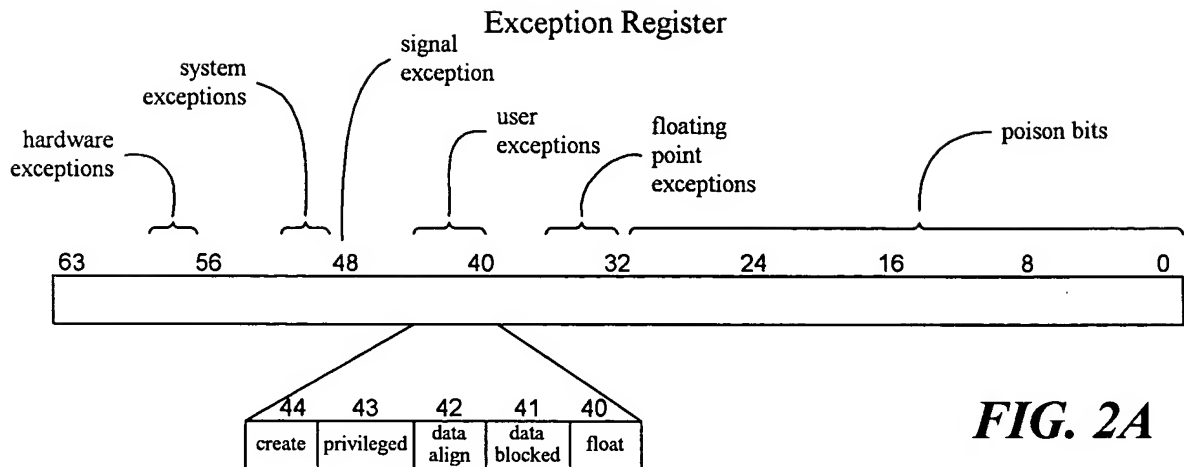
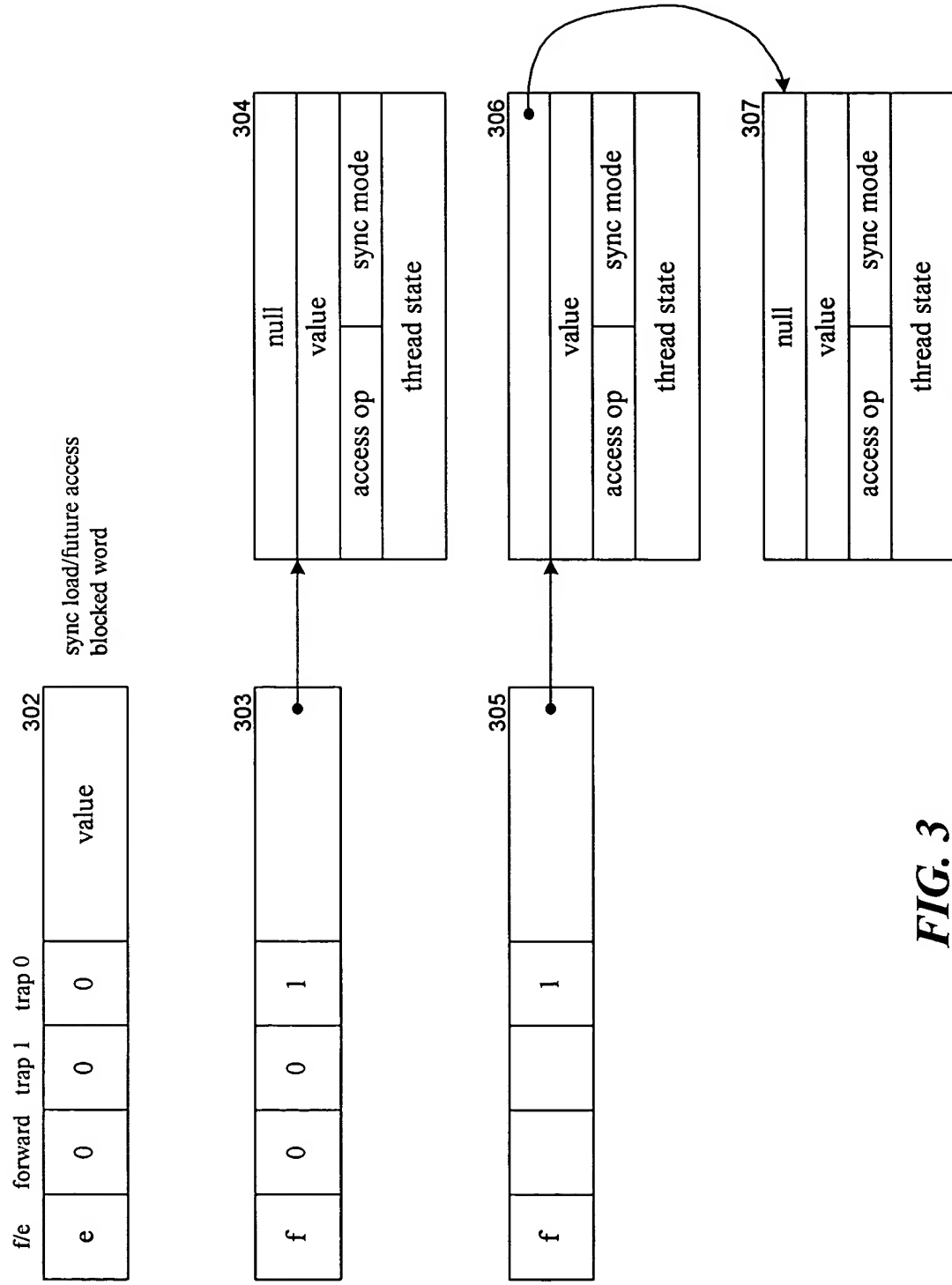


**FIG. 1**

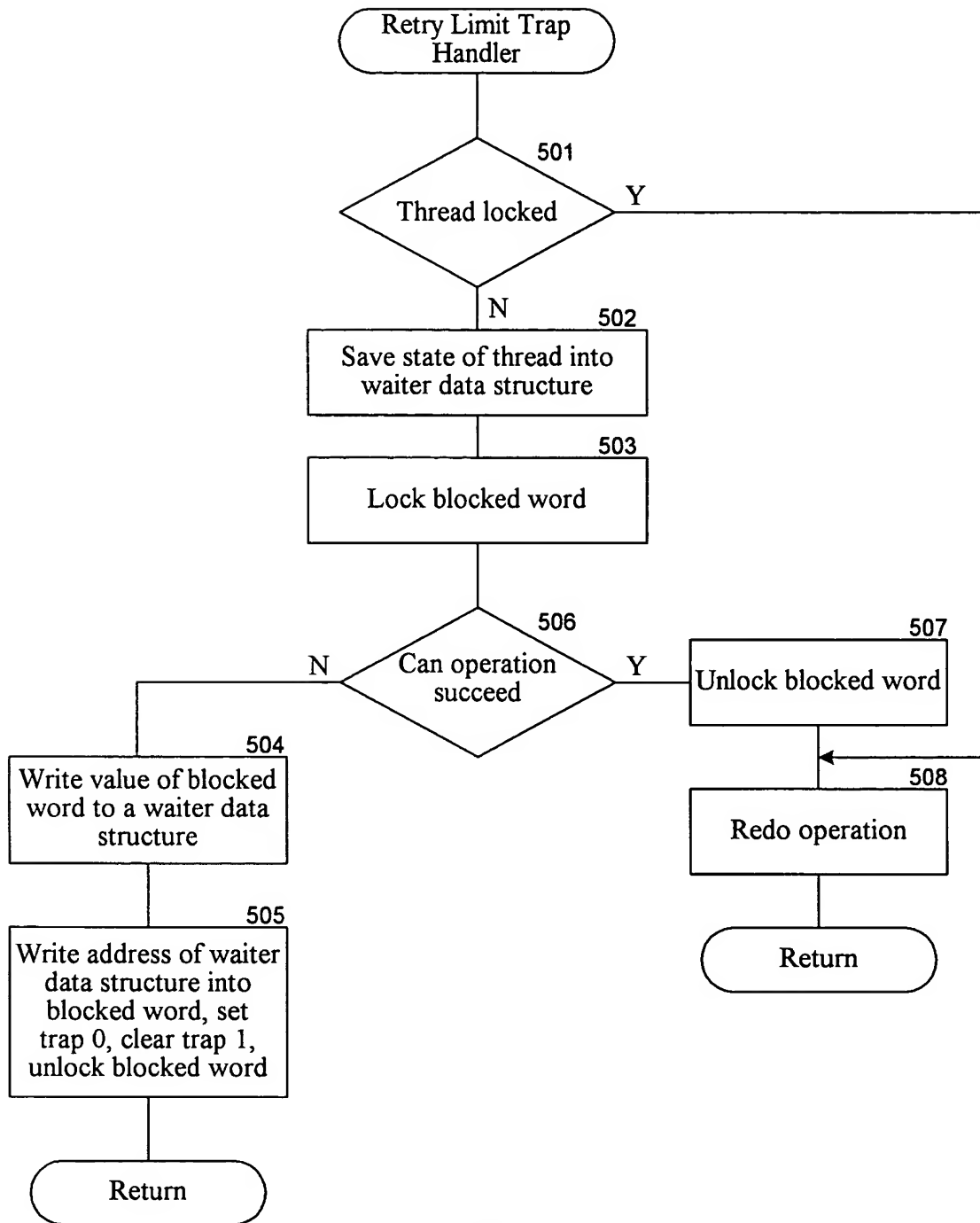




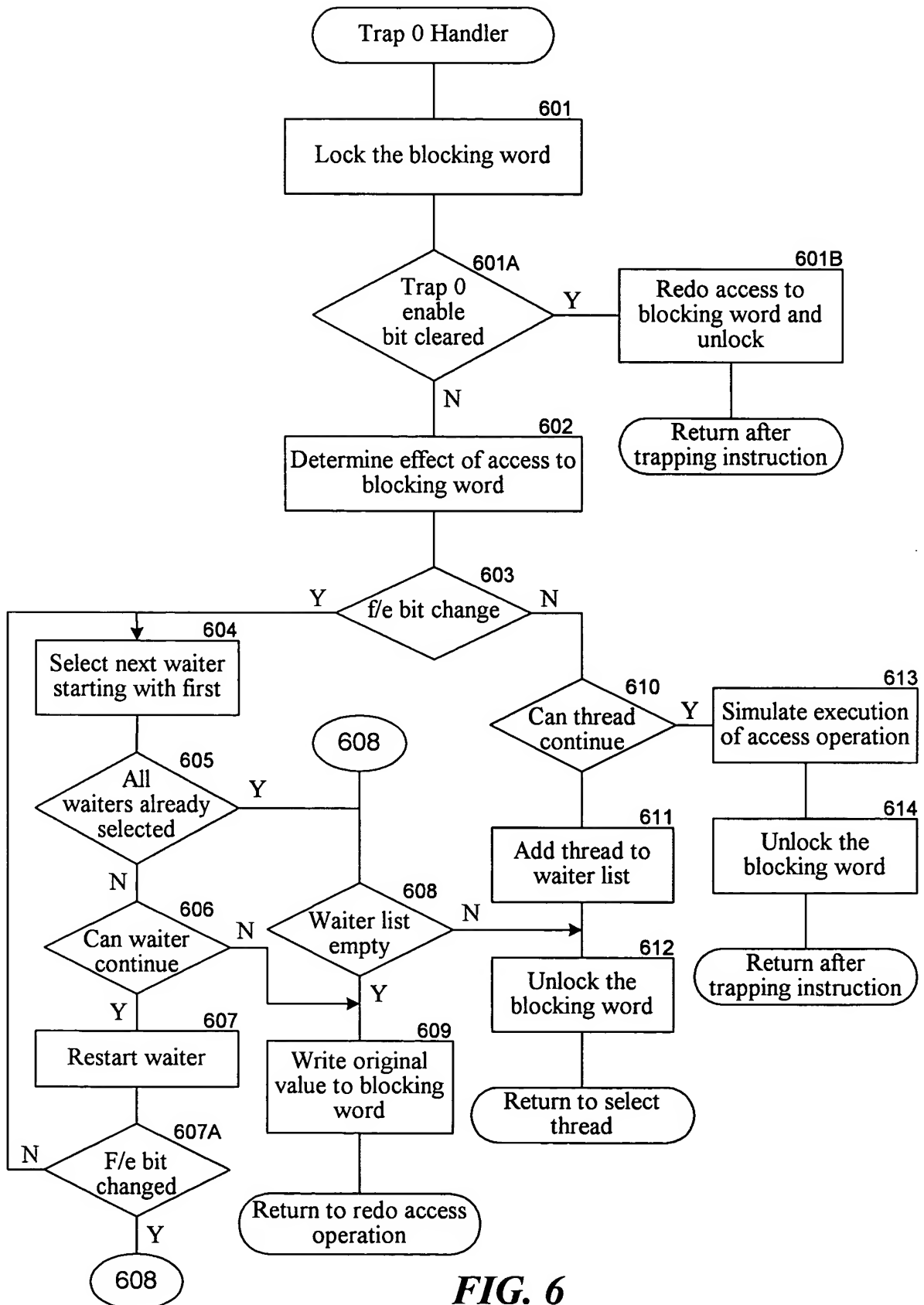
**FIG. 3**

<div> <div> <div>sync</div> <div>current</div> </div> <div> <div>mode</div> <div>f/e</div> </div> </div>	load			store		
	normal	sync	future	normal	sync	future
full	succeed	succeed	succeed	succeed	block	succeed
	full	empty <sub>*</sub>	full	full	N/A	full
empty	succeed	block	block	succeed	succeed	block
	empty	N/A	N/A	full <sub>*</sub>	full <sub>*</sub>	N/A

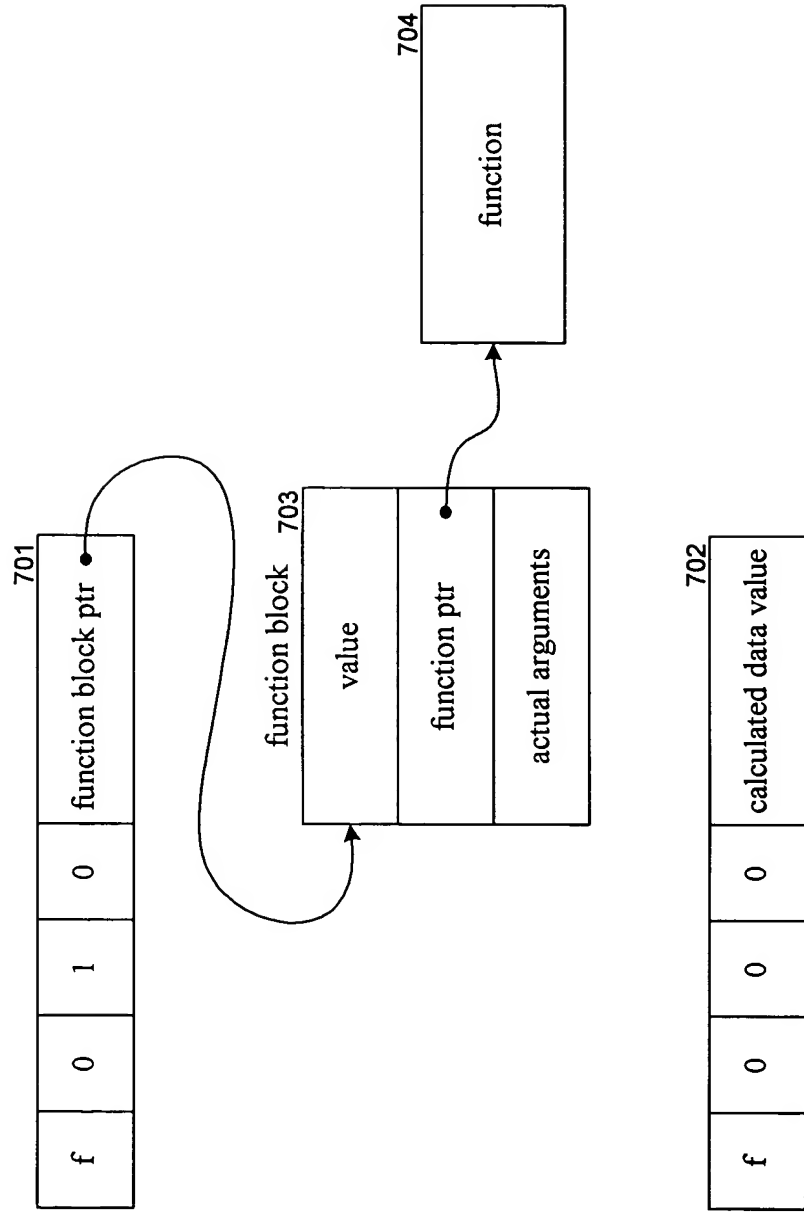
FIG. 4



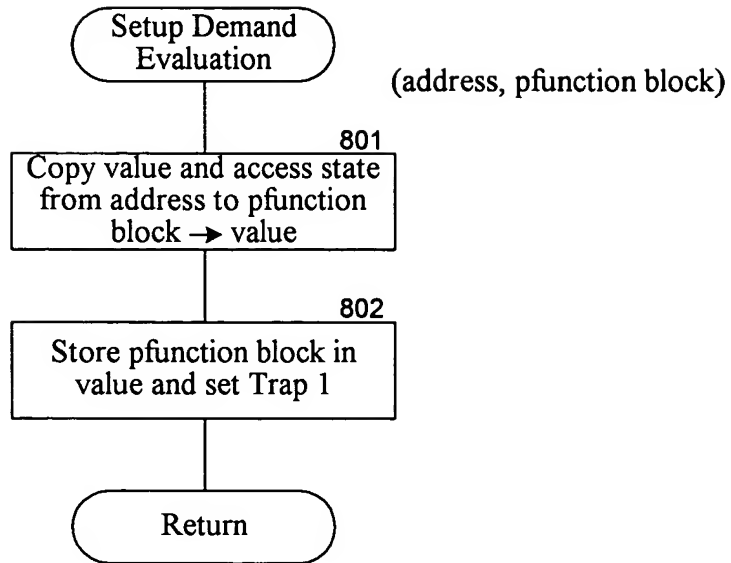
**FIG. 5**



**FIG. 6**

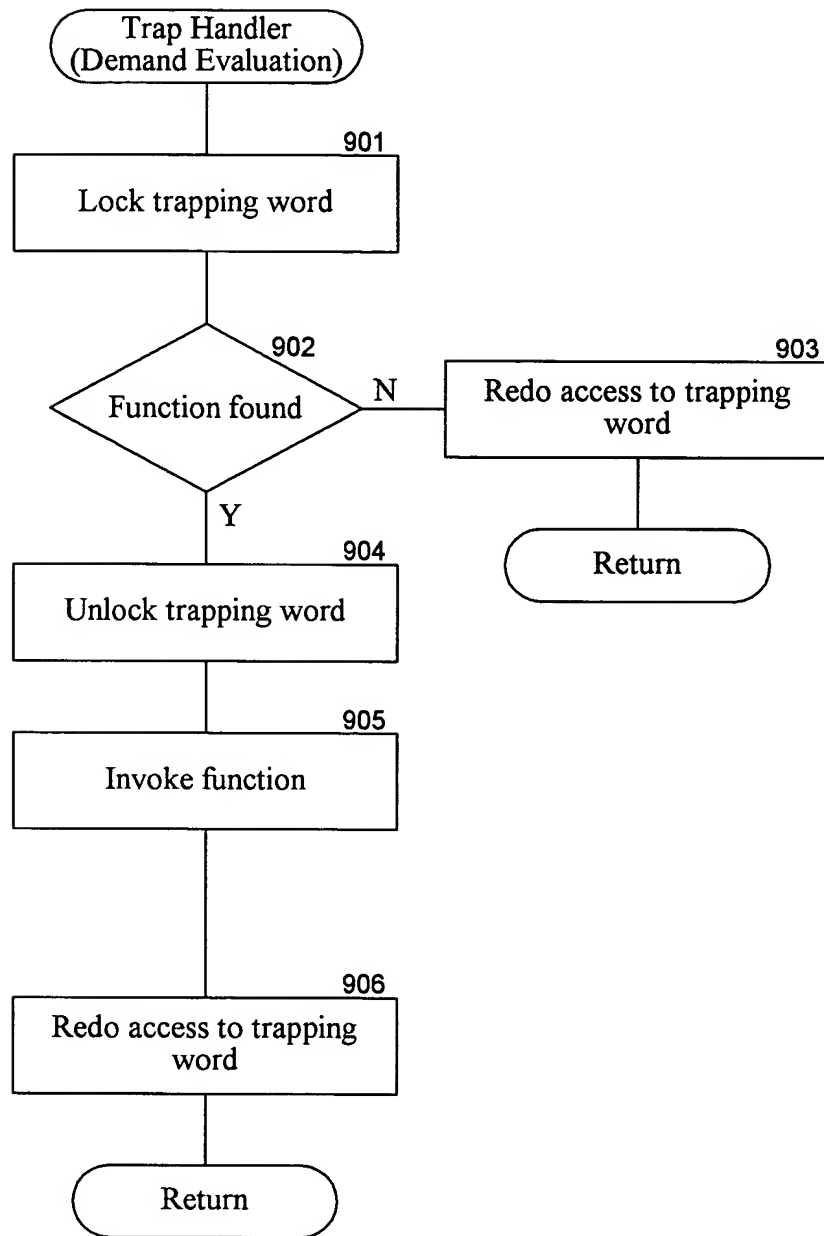


**FIG. 7**

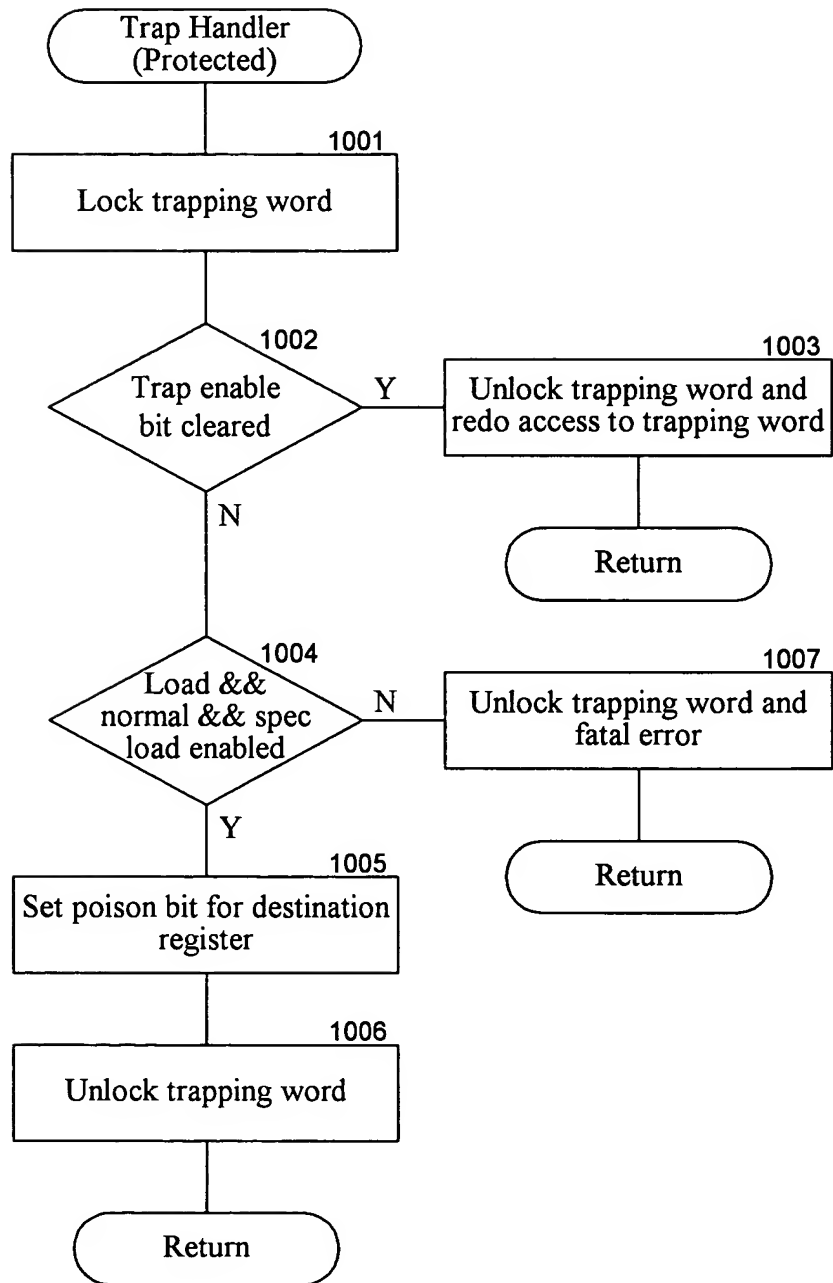


***FIG. 8***

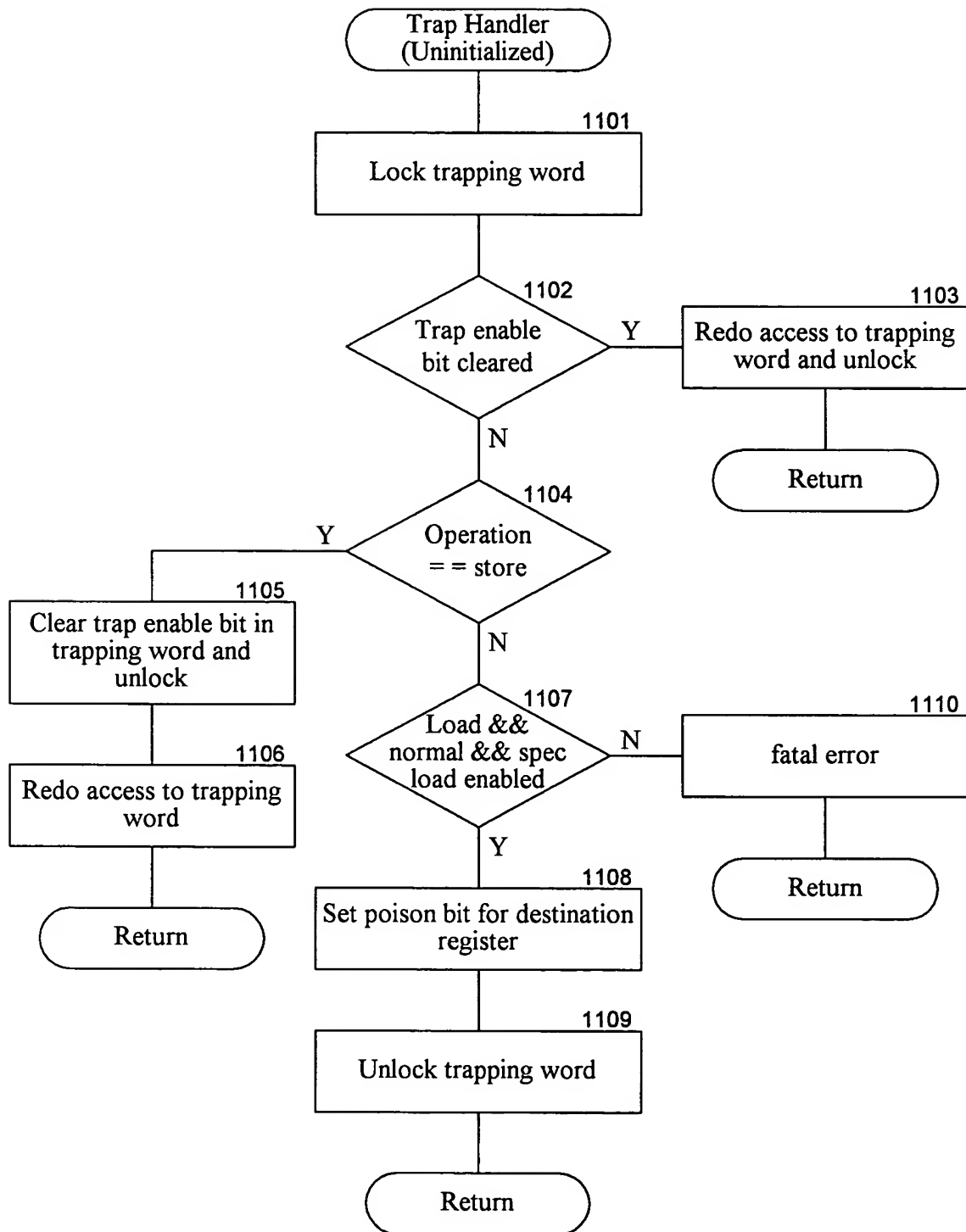




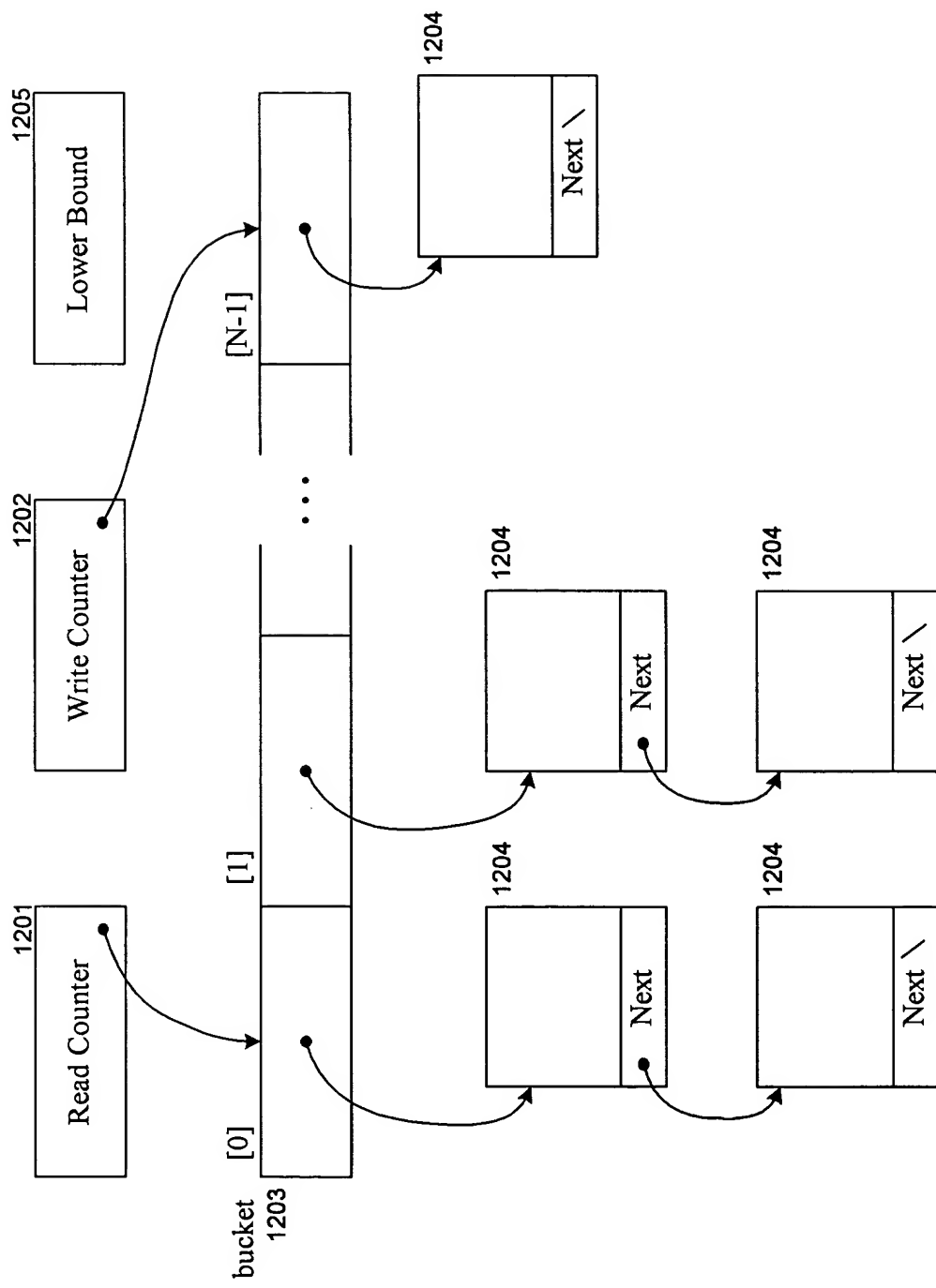
**FIG. 9**



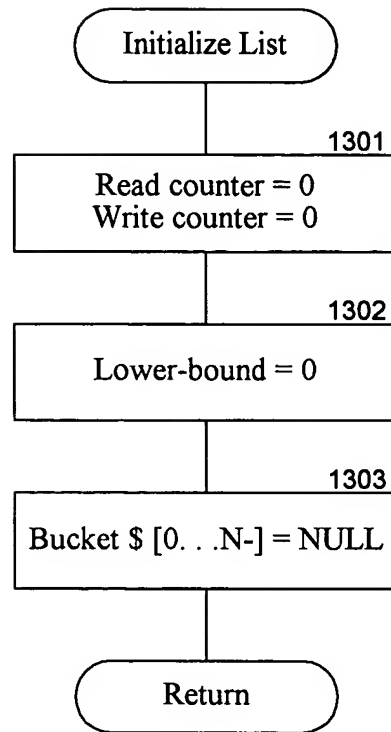
**FIG. 10**



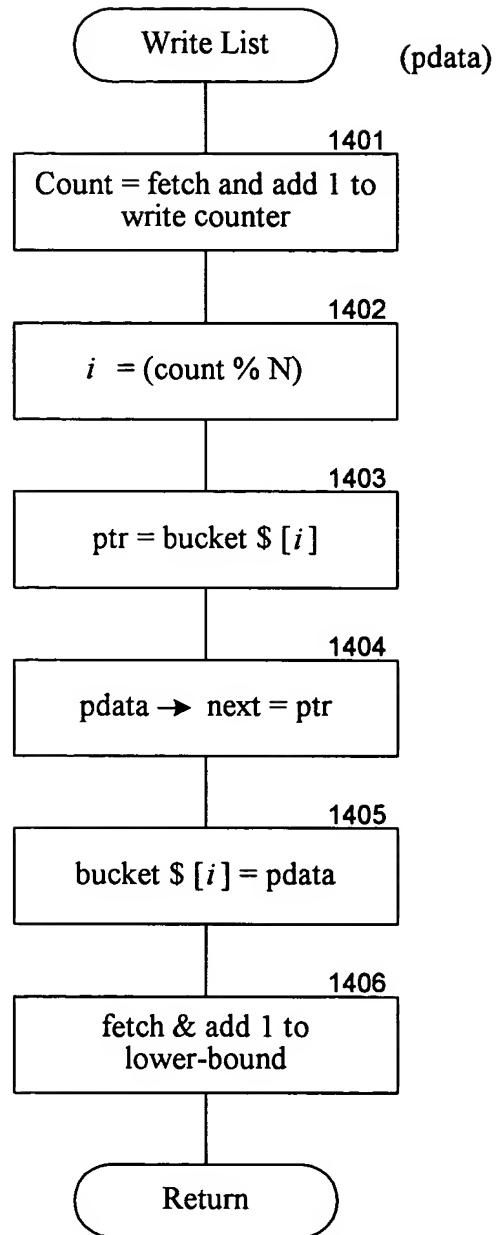
**FIG. 11**



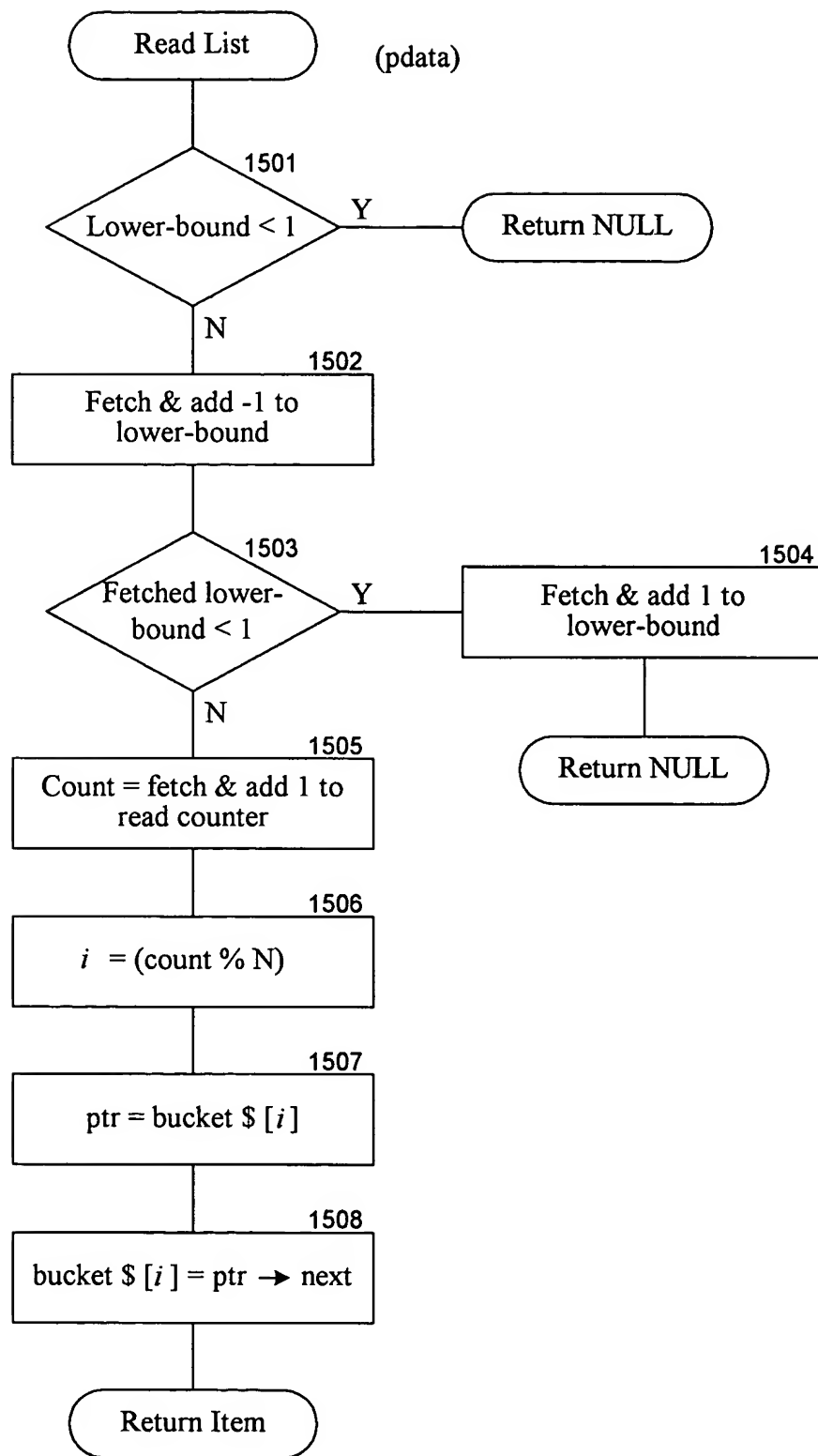
**FIG. 12**



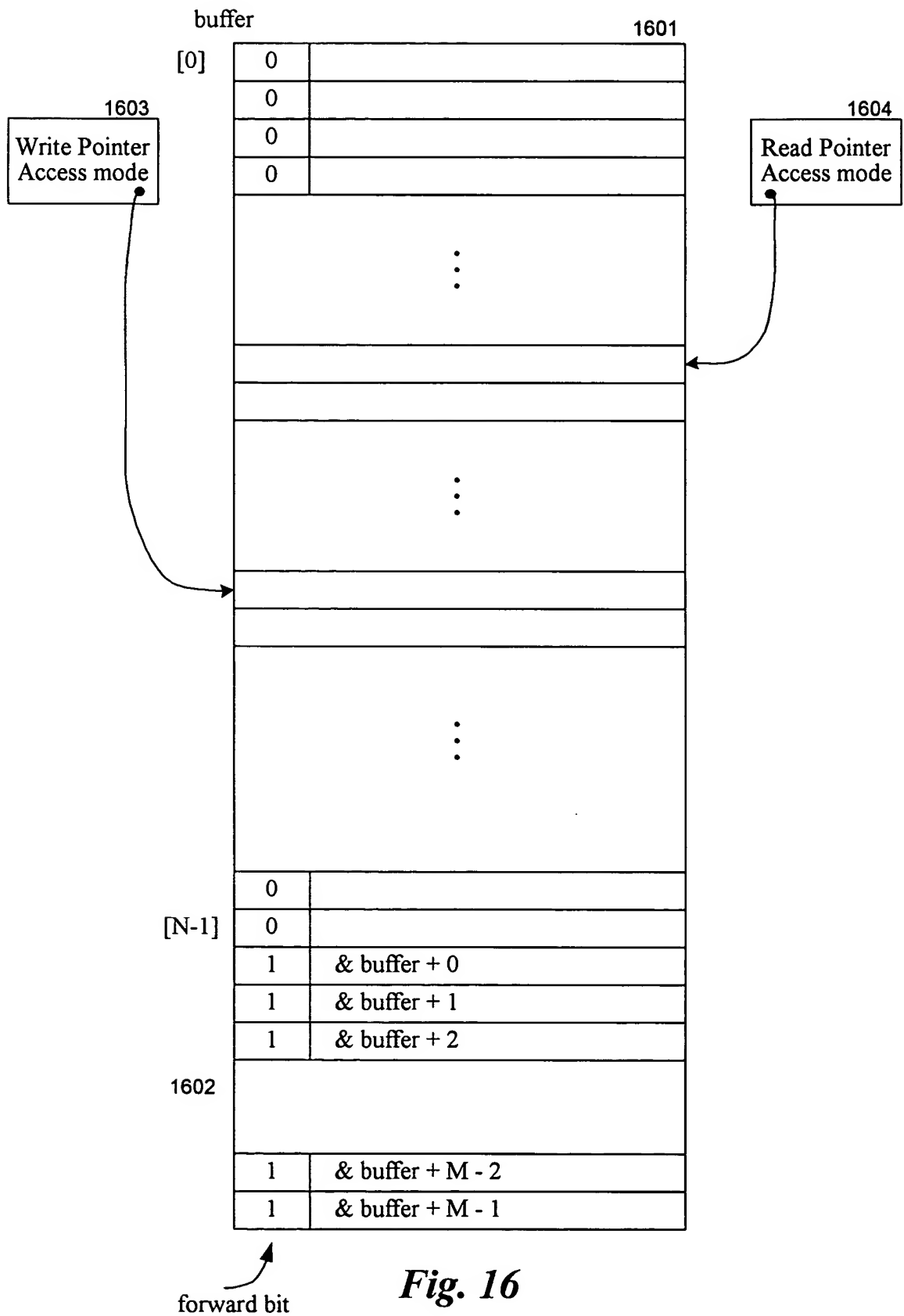
***FIG. 13***



***FIG. 14***

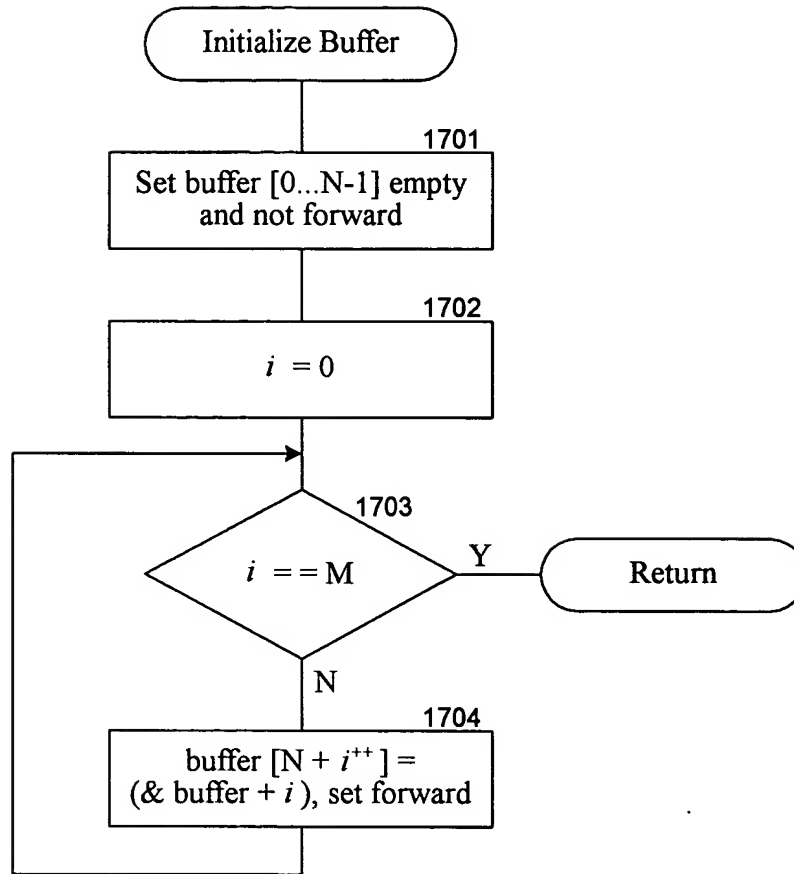


**FIG. 15**

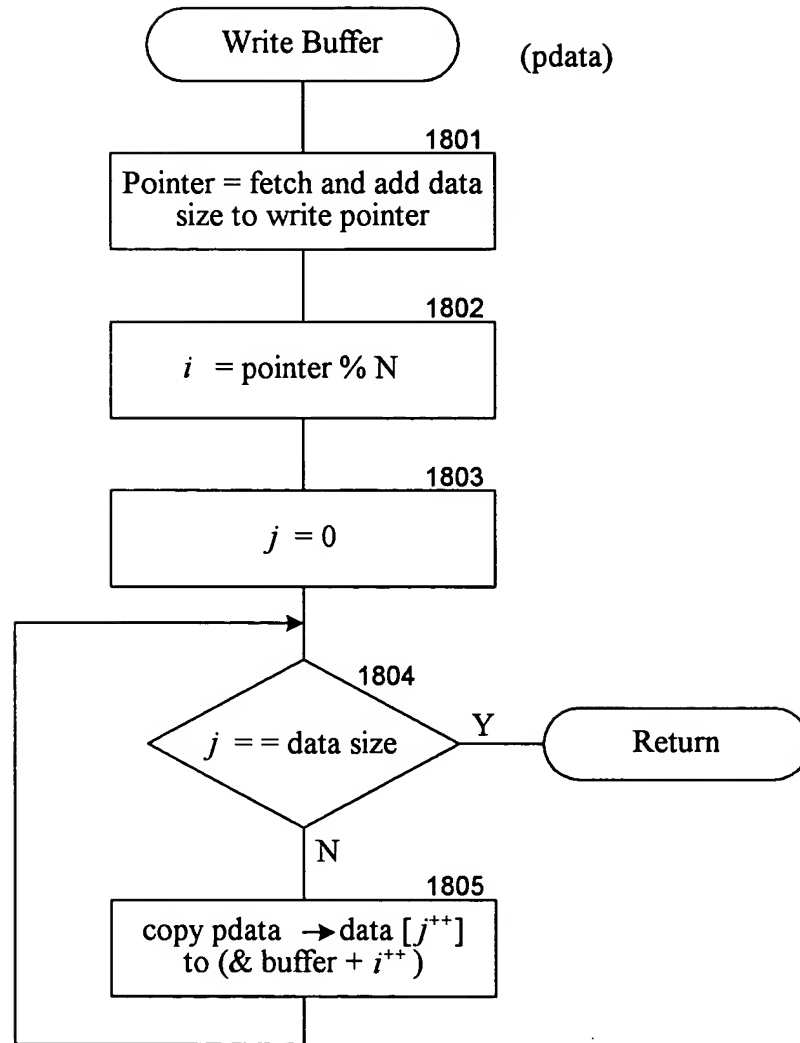


**Fig. 16**

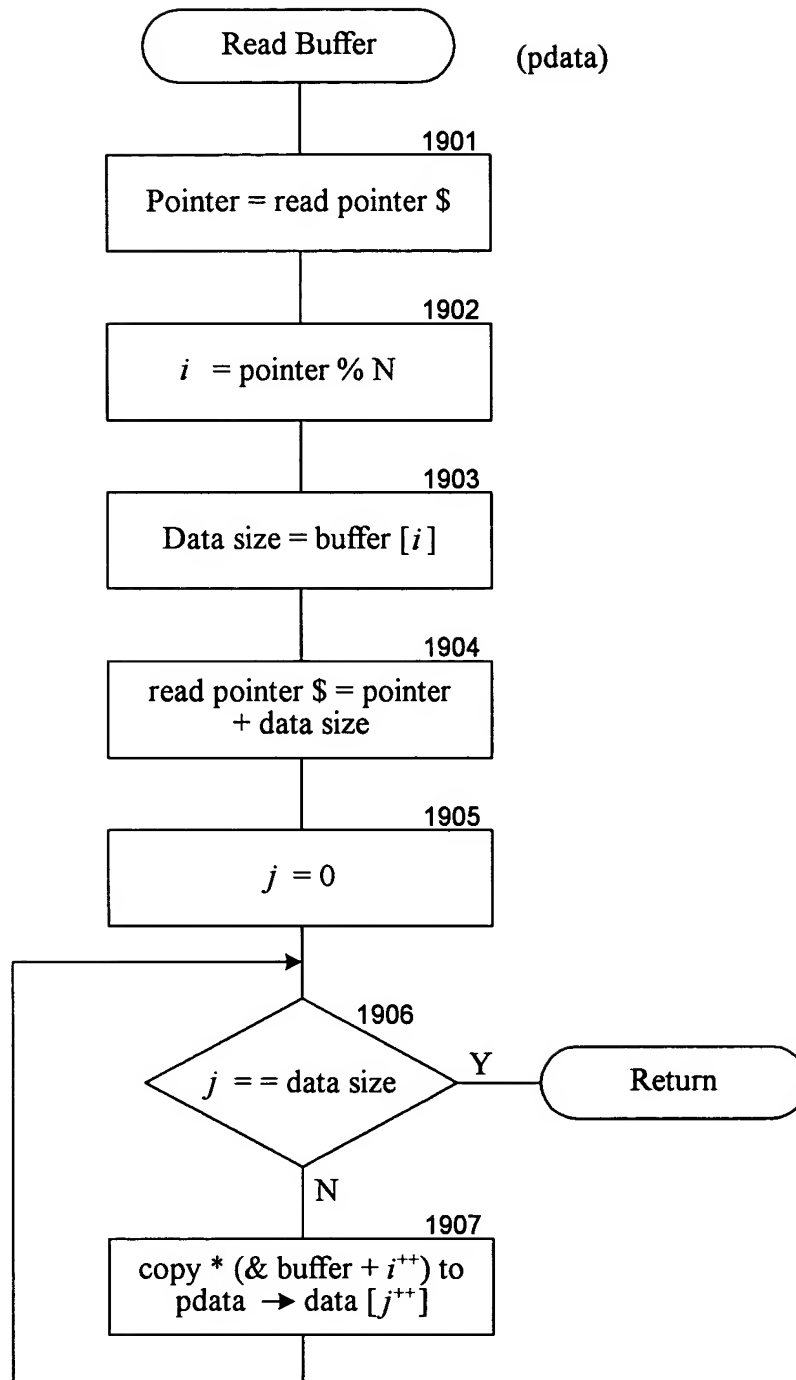




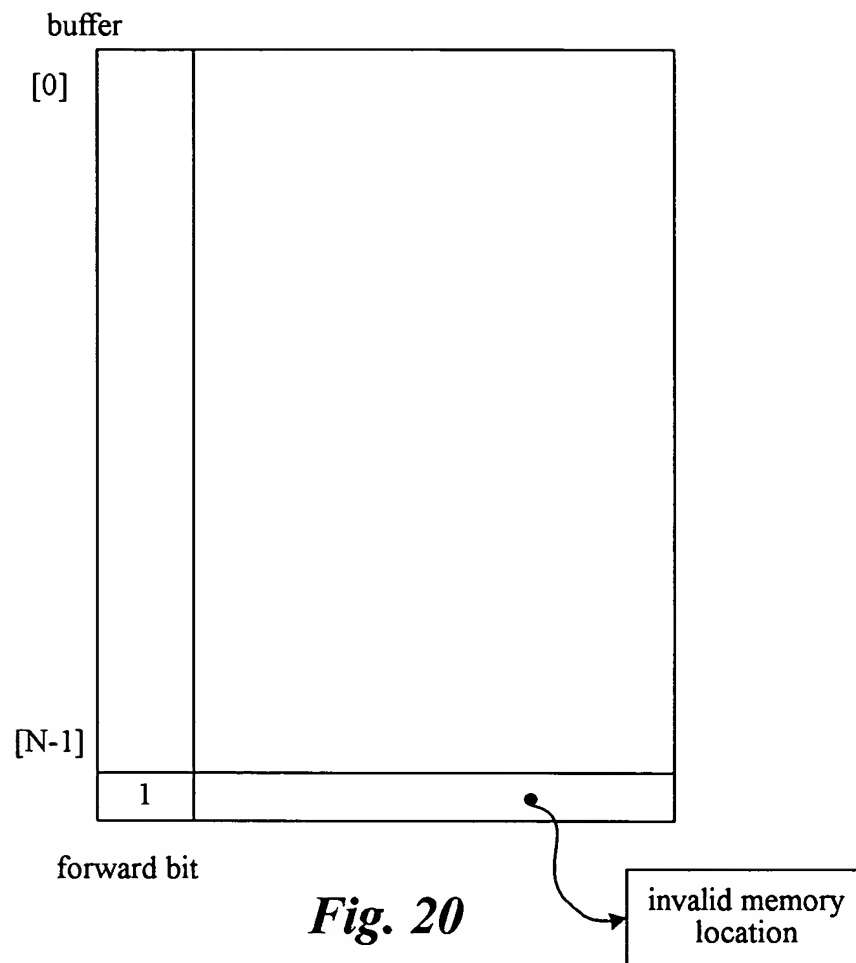
**FIG. 17**



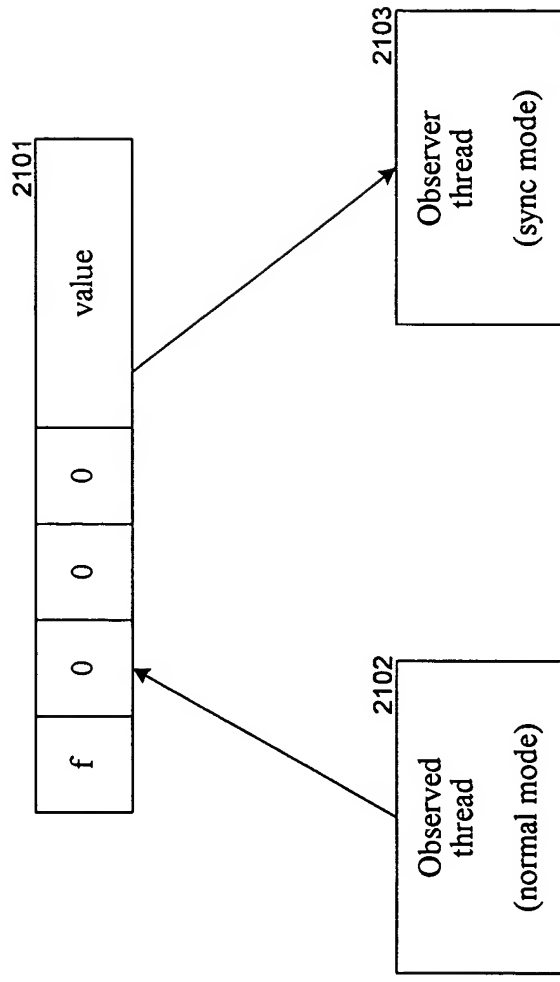
**FIG. 18**



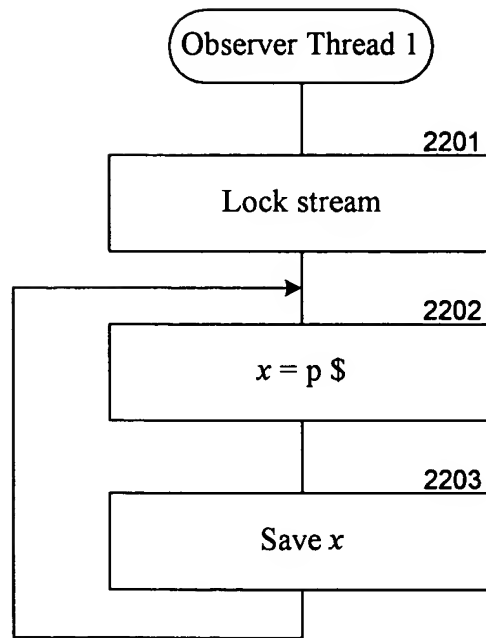
**FIG. 19**



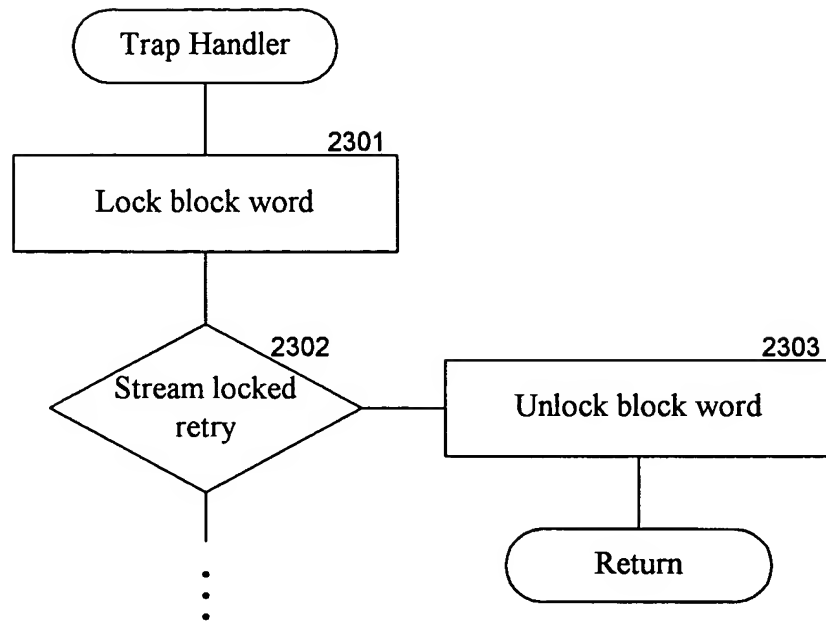
***Fig. 20***



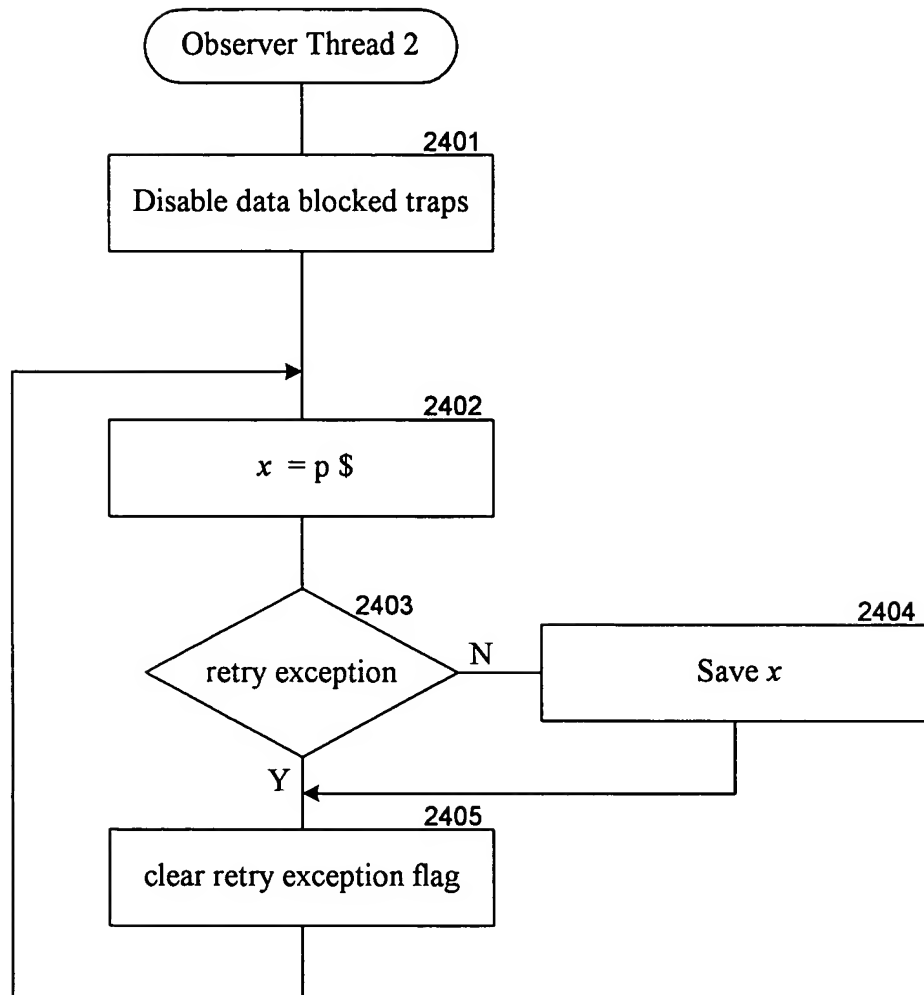
**FIG. 21**



***FIG. 22***



***FIG. 23***



**FIG. 24**



Data Structure

1	
1	
⋮	⋮
1	
1	

Trap 1

Fig. 25